

Species Tag:	8002	Species Name:	Li-6-D
Version:	1		Lithium deuteride,
Date:	Aug 1995		^6Li , ^2H isotopes
Contributor:	M. L. Delitsky		$\nu = 0, 1$
	H. M. Pickett		
Lines Listed:	40	Q(300.0)=	48.988
Freq. (GHz) <	4939	Q(225.0)=	36.572
Max. J:	20	Q(150.0)=	24.425
LOGSTR0=	-20	Q(75.00)=	12.363
LOGSTR1=	-100	Q(37.50)=	6.352
Isotope Corr.:	-4.95	Q(18.75)=	3.359
Egy. (cm^{-1}) >	0.0	Q(9.375)=	1.885
$\mu_a =$	5.882	A=	
$\mu_b =$		B=	130170.89
$\mu_c =$		C=	

The transition frequencies were taken from: Maki, Olson and Thompson, 1990, J. Mol. Spect. **144**, 257. Plummer, Herbst and DeLucia, 1984, J. Chem. Phys. **81**, 4893. E. F. Pearson and W. Gordy, 1969, Phys. Rev. **177**, 59.

The dipole moment is assumed to be the same as the parent species which was reported by L. Warton, L. P. Gold and W. Klemperer, 1960, J. Chem. Phys. **33**, 1255.